Index to Volume 112



The Auk 112(4):1089-1100, 1995

COMPILED BY GENEVIEVE M. TVRDIK

Abundance, Calliope Hummingbird, 517-521

Accipiter cooperii, 1004-1023; gentilis, 1004-1023; nisus, 1004-1023

Acrocephalus vaughani taiti, 77-86

Adams, William, see Heinrich, Bernd, et al. Adoption of chicks, Thick-billed Murre, 508–510

Aebischer, Nicholas J., see Poulsen, John Grynderup, and ———

Aegolius acadicus, 1004-1023; funereus, 1004-1023 Aerial feeding, American Redstart, 310-325

Agelaius phoeniceus, 364-374, 720-730

Ainley, David G., Nadav Nur, and Eric J. Woehler, Factors affecting the distribution and size of pygoscelid penguin colonies in the Antarctic, 171– 182

Ajaia ajaja, 613-632

Akepa, 402-414

Alauda arvensis, 1070-1073

Albano, Daniel J., see Kroodsma, Donald E., et al. Allen, Paul E., see Winkler, David W., and

Allozymes, *Diglossa*, 156-170; Mexican Jay, 464-472; sapsucker, 547-563; Scrub Jay, 464-472

Alsop, Fred J., III, review by, 807-808

Amazilia saucerottei, 118-132; tzacatl, 118-132

American Ornithologists' Union, William Brewster Memorial Award, 1994: Frank McKinney, 265-266; Elliot Coues Award, 1994: Wolfgang Wiltschko, 266-267; Fortieth supplement to the American Ornithologists' Union Check-list of North American birds, 819-830

Ammodramus henslowii, 720-730; savannarum, 720-730 Amundsen, Trond, see Smiseth, Per T., and

Anas, 87-97; acuta, 192-200; platyrhynchos, 192-200, 782-785; strepera, 429-435

Anastomus oscitans, 257-260

Anderson, David J., The role of parents in siblicidal brood reduction of two booby species, 860-869 Anous minutus, 1073-1077; stolidus, 326-334

Anumbius anumbi, 800-804

Aphelocoma coerulescens, 464–472; ultramarina, 464–472 Apteryx australis mantelli, 680–689

Aquila chrysaetos, 1004-1023

Ardea herodias, 201-209, 613-632

Area requirement, minimum, Ovenbird, 98-106

Arendt, Wayne J., see Faaborg, John, and ——

Asio flammeus, 1004-1023; otus, 1004-1023

Athene noctua, 1004-1023

Atlapetes rufinucha, 210-224; schistaceus, 210-224; tricolor, 210-224

Auklet, Rhinoceros, 60-66

Automolus leucophthalmus, 800-804

Avery, Michael L., David G. Decker, John S. Hum-

phrey, A. Alycin Hayes, and Cynthia C. Laukert, Color, size, and location of artificial fruits affect sucrose avoidance by Cedar Waxwings and European Starlings, 436–444

Aythya americana, 192-200; valisneria, 192-200

Baker, Allan J., review by, 268-269

Baker, Mitchell, Environmental component of latitudinal clutch-size variation in House Sparrows (Passer domesticus), 249-252

Ballou, Jonathan D., see Haig, Susan M., and
Baltz, Michael, E., First records of the Shiny Cowbird
(Molothrus bonariensis) in the Bahama Archipelago. 1039-1041

Bananaguit, 503-507

Banding recovery rates, Great Horned Owl, 44-59
Banks, Richard C., and M. Ralph Browning, Comments on the status of revived old names for some
North American birds. 633-648

Baptista, Luis F., In memoriam: Robert T. Orr, 1908-1994, 1032-1033

Barrowclough, George F., review by, 524

Bart, Jonathan, Matthias Hofschen, and Bruce G. Peterjohn, Reliability of the breeding bird survey: Effects of restricting surveys to roads, 758-761

Bartramia longicauda, 720-730

Behavior, Black-throated Blue Warbler, 931-946; Common Murre, 947-957

Behavior, display, hummingbird, 1064-1066

Behavior, social, Mexican Jay, Scrub Jay, 464-472
Bennett, Darin C., Philip E. Whitehead, and Leslie E.
Hart, Growth and energy requirements of handreared Great Blue Heron (Ardea herodias) chicks,

Bennett, Darin C., see Hughes, Maryanne R., et al. Best, Louis B., see Gionfriddo, James P., et al.

Bicudo, Jose Eduardo P. W., see Chaui-Berlinck, Jose Guilherme, and ———

Biological species concept, 701-719

Bittern, American, 613-632; Least, 613-632, 672-679; White-crested, 672-679

Blackbird, Red-winged, 364-374, 720-730; Yellow-headed, 183-191

Bleiweiss, Robert, John A. W. Kirsch, and Naveed Shafi, Confirmation of a portion of the Sibley-Ahlquist "tapestry," 87-97

Blood parasites, Pied Flycatcher, 1041-1043

Bluebird, Western, 1062-1064

Bluethroat, 1049-1053

201-209

Bobolink, 720-730

Body composition, Grey-breasted Silvereyes, 421–428; neonate, 192–200 Body condition, Blue Petrel, 964-972; migrants, 690-700

Body lipids, shorebird, 590-602

Boersma, P. Dee, see Fowler, Gene S., et al.

Bollinger, Eric K., Successional changes and habitat selection in hayfield bird communities, 720-730

Bombycilla cedrorum, 436-444

Booby, Blue-footed, 860-869; Masked, 860-869

Bosman, Ruth M., see Lombardo, Michael P., et al. Botaurus lentiginosus, 613-632

Bozinovic, Francisco, see Lopez-Calleja, M. Victoria,

Brandt, Charles A., Julia K. Parrish, and Cathleen N. Hodges, Predictive approaches to habitat quantification: Dark-rumped Petrels on Haleakala, Maui. 571-579

Brant, Black, 904-919

Branta bernicla nigrans, 904-919; canadensis, 192-200

Braun, Eldon J., see Hughes, Maryanne R., et al.

Brawn, Jeffrey D., review by, 272-274

Breeding, Brown Noddy, 326-334

Breeding area, Emperor Goose, 1037-1038

Breeding bird survey, reliability, 758-761

Breeding, cooperative, Henderson Reed-Warbler,

Breeding, first-time, Lesser Snow Goose, 67-76

Breeding success, Blue Petrel, 964–972; Crow Tit, 831– 839; Lesser Snow Goose, 67–76; Tree Swallow, 973–981; Wood Stork, 237–243

Breeding systems, Asian Openbill, 257–260; Henderson Reed-Warbler, 77–86

Bretagnolle, Vincent, and Jean-Claude Thibault, Method for sexing fledglings in Cory's Shearwaters and comments on sex-ratio variation, 785-790

Brett-Surman, Michael K., see Elzanowski, Andrzej,

Brewer, Gwenda L., review by, 1086-1087

Brewster Memorial Award, 1994: Frank McKinney, 265-266

Brilliant, Green-fronted, 118-132

Brittingham, Margaret C., see Hoover, Jeffrey P., et al.

Brood parasite, 343-363; Cameroon Indigobird, 649-658; Shiny Cowbird, 335-342

Brood parasite, intraspecific, Zebra Finch, 415–420 Brood reduction, booby, 860–869

Brooke, M. de L., and Ian R. Hartley, Nesting Henderson Reed-Warblers (Acrocephalus vaughani taiti) studied by DNA fingerprinting: Unrelated coalitions in a stable habitat? 77–86

Brown, Jerram L., and Shou-Hsien Li, Phylogeny of social behavior in *Aphelocoma* jays: A role for hybridization? 464-472

Browning, M. Ralph, see Banks, Richard C., and

Brush-finch, Rufous-naped, 210-224

Bryan, A. Lawrence, Jr., see Coulter, Malcolm C., and

Buarremon brunneinuchus, 225-236; torquatus, 225-236 Bubo, 87-97; bubo, 1004-1023; virginianus, 44-59, 1004-1023

Bubulcus ibis, 613-632

Buckley, Neil I., reviews by, 811-812, 812-813

Bullfinch, Puerto Rican, 503-507

Bunting, Orange-breasted, 1-19

Burley, Nancy Tyler, see Fenske, Benjamin, and

Buteo buteo, 1004-1023; jamaicensis, 1004-1023; lagopus, 1004-1023; platypterus, 1004-1023; regalis, 1004-1023; swainsoni, 1004-1023

Butorides striatus, 613-632

Buzzard, Common, 1004-1023

Caching food, Northwestern Crow, 778-779
Calder, Lorene L., see Calder, William A., and

Calder, William A., and Lorene L. Calder, Size and abundance: Breeding population density of the Calliope Hummingbird, 517–521

Calidris alpina, 192-200, 590-602; mauri, 920-930; minutilla, 192-200; pusilla, 192-200, 590-602

Calonectris diomedea, 785-790

Calypte anna, 1064-1066

Campylorhamphus trochilirostris, 800-804

Canvasback, 192-200

Cardinal, Northern, 1054-1057

Cardinalis cardinalis, 1054-1057

Carmi, Nurit, Berry Pinshow, Warren P. Porter, and Jim Jaeger, Reply to Klaassen's commentary concerning water and energy limitations on flight range, 263

Carotenoid pigments, 1054-1057; House Finch, 1057-

Carpodacus mexicanus, 1054-1057, 1057-1061

Casmerodius albus, 613-632

Catbird, Gray, 690-700

Catharus fuscescens, 794-797; mustelinus, see Hylocichla Cerorhinca monocerata, 60-66

Certhiaxis cinnamomea, 800-804; sulfurifera, 800-804

Chalybura urochrysia, 118-132

Chan, Ken, Comparative study of winter body composition of resident and migrant Grey-breasted Silvereyes, 421-428

Charadrius semipalmatus, 192-200

Chardine, John W., see Morris, Ralph D., and

Chastel, Olivier, Henri Weimerskirch, and Pierre Jouventin, Influence of body condition on reproductive decision and reproductive success in the Blue Petrel, 964–972

Chaui-Berlinck, Jose Guilherme, and Jose Eduardo P. W. Bicudo, Unusual metabolic shifts in fasting hummingbirds, 774–778

Chen caerulescens caerulescens, 67-76, 731-736, 790-794; canagica, 1037-1038

Chesser, R. Terry, review by, 269-270

Chick period, Common Murre, 982-993

Chickadee, Black-capped, 29-43, 603-612, 840-846; Carolina, 29-43, 1054-1057

Chilia melanura, 800-804

Christian, John J., In memoriam: David E. Davis, 1913– 1994, 491–492

Christidis, Les, review by, 536-538

Cicero, Carla, and Ned K. Johnson, Speciation in sapsuckers (Sphyrapicus): III. Mitochondrial-DNA sequence divergence at the cytochrome-b locus, 547– 563

Cicero, Carla, review by, 530-533

Circus aeruginosus, 1004-1023; cyaneus, 1004-1023

Cistothorus palustris, 183-191

Clangula hyemalis, 192-200

Clark, Anne Barrett, Gapes of sexually dimorphic blackbird nestlings do not show sexually dimorphic growth, 364-374

Clark, Larry, see Mason, J. Russell, and -

Clemmons, Janine R., Vocalizations and other stimuli that elicit gaping in nestling Black-capped Chickadees (*Parus atricapillus*), 603–612

Clench, Mary Heimerdinger, Body pterylosis of woodcreepers and ovenbirds (Dendrocolaptidae and Furnariidae), 800–804

Clutch size, House Sparrow, 249–252; Snow Goose, 790–794; Stonechat, 748–755; Tree Swallow, 737–747

Cochlearius cochlearius, 672-679

Cockrem, J. F., and J. R. Rounce, Non-invasive assessment of the annual gonadal cycle in freeliving Kakapo (Strigops habroptilus) using fecal steroid measurements, 253–257

Coereba flaveola, 503-507

Cohn-Haft, Mario, review by, 535-536

Colaptes auratus, 1054-1057; rupicola, 547-563

Colius, 87-97

Colony size, penguin, 171-182

Color preference, Cedar Waxwing, 436-444; European Starling, 436-444

Columba, 87-97

Competition, interspecific, Atlapetes, 210-224; Buarremon, 225-236

Conebill, Tamarugo, 797-800

Conirostrum tamarugense, 797-800

Cooke, Fred, see Viallefont, Anne, et al.

Cooperative breeding, White-winged Trumpeter, 296–309

Coot, American, 192-200, 429-435

Copulation frequency, Tree Swallow, 1077–1079, 1079– 1080

Corapipo gutturalis, 133-145

Corvus caurinus, 390-401, 778-779; corax, 499-503, 994-1003

Coturnix, 87-97

Coues Award, Wolfgang Wiltschko, 266-267

Coulter, Malcolm C., and A. Lawrence Bryan, Jr., Factors affecting reproductive success of Wood Storks (Mycteria americana) in east-central Georgia, 237– 243 Cowbird, Brown-headed, 146-155; Shiny, 335-342, 1039-1041

Cowie, Richard J., see Kern, Michael D., and —— Crane, Whooping, 1045–1049

Cranioleuca sulfurifera, see Certhiaxis

Crayfish aquaculture, 613-632

Crow, Northwestern, 390-401, 778-779

Cuthbert, Francesca I., review by, 526

Cuanocitta cristata, 1054-1057

Cytochrome b, Diglossa, 156-170; sapsucker, 547-563

Datta, Tanmay, and B. C. Pal, Polygyny in the Asian Openbill (Anastomus oscitans), 257-260

Davis, David E., 1913–1994, in memoriam, 491–492

Decker, David G., see Avery, Michael L., et al.

Deconychura longicauda, 800-804

del Nevo, Adrian J., see Ramos, Jaime A., and

Dendrocincla anabatina, 800-804; tyranina, 800-804

Dendrocolaptes certhia, 800-804 Dendrocolaptidae, 800-804

Dendroica adelaidae, 503-507; caerulescens, 931-946; discolor, 343-363, 770-774; magnolia, 690-700; tigrina, 510-511

Dickinson, Janis L., see Leonard, Marty L., et al. Diet, Falconiformas, 1004-1023; Strigiformes, 1004-

Diet determination technique, 780–782; Skylark, 1070– 1073

Diglossa albilatera, 156–170; baritula, 156–170; carbonaria brunneiventris, 156–170; carbonaria carbonaria, 156–170; duidae, 156–170; glauca, 156–170; humeralis aterrima, 156–170; lafresnayii, 156–170; mystacalis albilinea, 156–170; mystacalis mystacalis, 156–170; mystacalis pectoralis, 156–170; mystacalis unicincta, 156–170; plumbea, 156–170; sittoides, 156–176–170; plumbea, 156–170; sittoides, 156–170.

Dimorphism, sexual, Red-winged Blackbird, 364–374
Distance from cover, White-crowned Sparrow, 107–
117

Distribution, colony, penguin, 171-182

Distribution patterns, Atlapetes, 210-224; Buarremon, 225-236

DNA fingerprinting, Henderson Reed-Warbler, 77–86; Leach's Storm-Petrel, 473-482; Montezuma Oropendola, 659-671

DNA, mitochondrial, Diglossa, 156–170; sapsucker, 547–563

DNA-DNA hybridization, 87-97; White-crested Bittern, 672-679; Zigzag Heron, 672-679

Dolichonyx oryzivorus, 720-730

Dominance, Common Raven, 499–503; White-crowned Sparrow, 107–117; White-throated Sparrow, 878– 889

Dove, Mourning, 1054-1057

Dowitcher, Short-billed, 590-602

Drennan, Susan R., see Senner, Stanley E., and —— Drymornis bridgesii, 800-804

Duck, Pekin, 782-785

Dudley, Robert, see Larimer, James L., and ----

Dumetella carolinensis, 690-700 Dunlin, 192-200, 590-602

Dunn, Peter O., see Whittingham, Linda A., et al.

Eagle, Bald, 390-401; Golden, 1004-1023

Eagle-Owl, Eurasian, 1004-1023

Eberl, Christine, see Gaston, Anthony J., et al.

Ecology, Black-throated Blue Warbler, 931-946

Ectoparasites, Black Noddy, 1073-1077

Edge effect, Ovenbird, 98-106

Egg-color dimorphism, Crow Tit, 831-839

Egg energy content, Shiny Cowbird, 335-342

Egg laying, termination, Red Junglefowl, 483-488

Egret, Cattle, 613-632; Great, 613-632; Reddish, 613-632; Snowy, 613-632, 672-679

Egretta caerulea, 613-632; rufescens, 613-632; thula, 613-632, 672-679; tricolor, 613-632

Eider, Common, 192-200

Elaenia, Caribbean, 503-507

Elaenia martinica, 503-507

Electrical conductivity, total-body, shorebird, 590-602

Elvira cupreiceps, 118-132

Elzanowski, Andrzej, and Michael K. Brett-Surman, Avian premaxilla and tarsometatarsus from the uppermost Cretaceous of Montana, 762-767

Emerald, Coppery-headed, 118-132

Endemic species, 445-455

Energetics, Rufous Hummingbird, 456-463

Energy metabolism, hummingbird, 1034-1036

Energy requirements, Great Blue Heron chicks, 201-209

Estades, Cristian F., and Maria V. Lopez-Calleja, First nesting record of the Tamarugo Conebill (Conirostrum tamarugense), 797-800

Eudocimus albus, 613-632

Eupetomena macroura, 774-778

Eupherusa nigriventris, 118-132

Eustichospiza dybowskii, 649-658

Extrapair copulations, Bluethroat, 1049-1053

Faaborg, John, and Wayne J. Arendt, Survival rates of Puerto Rican birds: Are islands really that different? 503-507

Faaborg, John, see Van Horn, Michele A., et al.

Falco columbarius, 1004-1023; mexicanus, 1004-1023; peregrinus, 390-401, 1004-1023; rusticolus, 1004-1023; sparverius, 1004-1023; tinnunculus, 1004-1023

Falcon, Peregrine, 390-401, 1004-1023; Prairie, 1004-1023

Faro, Christine A., see Lombardo, Michael P., et al. Farrand, John, Jr., 1937–1994, in memoriam, 756–757 Feather gathering, Tree Swallow, 1077–1079, 1079–

Feather isotopes, indicate diet shift, Northern Fulmar, 493–498

Fecal analysis, Skylark, 1070-1073

Fecundity, calculating seasonal, 343-363

Feeding behavior, American Redstart, 310-325; raptor, 890-903; Rufous Hummingbird, 456-463; White-crowned Sparrow, 1024-1031 Feeding preference, ontogeny, Common Raven, 499– 503

Fenske, Benjamin, and Nancy Tyler Burley, Responses of Zebra Finches (Taeniopygia guttata) to experimental intraspecific brood parasitism, 415–420

Ficedula hypoleuca, 564-570, 1041-1043

Finch, House, 1054-1057, 1057-1061; Zebra, 415-420

Fledging age, Rhinoceros Auklet, 60-66

Fledging success, Wood Stork, 237-243

Fleury, Bruce E., and Thomas W. Sherry, Long-term population trends of colonial wading birds in the southern United States: The impact of crayfish aquaculture on Louisiana populations, 613–632

Flicker, Andean, 547-563; Northern, 1054-1057

Flight range limitations, 260-262, 263

Flowerpiercers, 156-170

Fluorescent-powder tracking technique, American Woodcock, 1043-1045

Flycatcher, Pied, 564-570, 1041-1043; Puerto Rican, 503-507

Folivory, Hoatzin, 20-28

Food stealing, Kelp Gull, 847-859

Foraging behavior, Northwestern Crow, 778-779

Foraging strategy, Gadwall, 429-435

Foregut fermentation, Hoatzin, 20-28

Fossil raptors, 890-903

Fossils, 762-767

Fotheringham, James R., see Martin, Paul R., et al. Fowler, Gene S., John C. Wingfield, and P. Dee Boersma, Hormonal and reproductive effects of low levels of petroleum fouling in Magellanic Penguins (Spheniscus magellanicus), 382–389

Fragmentation, forest, 146-155, 767-770

Francis, Charles M., see Houston, C. Stuart, and

Franklin, Donald C., Helmeted Honeyeaters build bulkier nests in cold weather, 247-248

Freed, Leonard A., see Lepson, Jaan K., and -

Fulica americana, 192-200, 429-435

Fulmar, Northern, 493-498

Fulmarus glacialis, 493-498 Furnariidae, 800-804

Furnarius rufus, 800-804

Furness, Robert W., see Thompson, David R., and

Gadwall, 429-435

Gallus, 87-97; gallus, 483-488

Gape growth rate, Red-winged Blackbird, 364-374

Gaping, Black-capped Chickadee, 603-612

Gaston, Anthony J., Christine Eberl, Mark Hipfner, and Kara Lefevre, Adoption of chicks among Thick-billed Murres, 508-510

Genetic diversity, Guam Rail, 445-455; Micronesian Kingfisher, 445-455

Gentry, Robert M., see Van Horn, Michele A., et al. Geographic trends in diet, raptors, 1004-1023

Geositta cunicularia, 800-804

Geothlypis trichas, 1054-1057

Giesler, Bret J., see Gionfriddo, James P., et al. Gionfriddo, James P., Louis B. Best, and Bret J. Giesler,

A saline-flushing technique for determining the diet of seed-eating birds, 780-782

Glaucidium passerinum, 1004-1023

Glaucis aenea, 118-132

Glomeruli, Pekin Duck, 782-785

Glyphorhynchus spirurus, 800-804

Godwit, Black-tailed, 192-200; Hudsonian, 192-200

Golden-Plover, Lesser, 192-200

Goodrich, Laurie J., see Hoover, Jeffrey P., et al.

Goose, Canada, 192-200; Emperor, 1037-1038; Lesser Snow, 67-76, 731-736; 790-794

Goshawk, Northen, 1004-1023

Grackle, Common, 1054-1057

Grajal, Alejandro, Structure and function of the digestive tract of the Hoatzin (Opisthocomus hoazin): A folivorous bird with foregut fermentation, 20-28

Graves, Gary R., review by, 813-814

Graves, White Solomon, IV, see Remsen, J.V., Jr., and

Grebe, Eared, 192-200

Gregory, Richard D., review by, 1086

Group displays, Akepa, 402-414

Group size, Common Murre, 390-401

Growth rate, Great Blue Heron chicks, 201-209; Rhinoceros Auklet, 60-66

Grus americana, 1045-1049

Grzybowski, Joseph A., see Pease, Craig M., and

Gull, Bonaparte's, 192-200; Glaucous-winged, 390-401; Herring, 192-200

Gwinner, Eberhard, Sibylle Konig, and Chris S. Haley, Genetic and environmental factors influencing clutch size in equatorial and Temperate Zone Stonechats (Saxicola torquata axillaris and S. t. rubicola): An experimental study, 748–755

Gyrfalcon, 1004-1023

Habitat, breeding, Tamarugo Conebill, 797-800

Habitat, nesting, Dark-rumped Petrel, 571-579

Habitat preferences, Western Sandpiper, 920-930

Habitat requirements, Veery, 794-797

Habitat selection, grassland birds, 720-730; Kentucky Warbler, 375-381

Habitat type, Common Murre, 390-401

Habitat use, Brown Kiwi, 680-689

Hackett, Shannon J., Molecular systematics and zoogeography of flowerpiercers in the Diglossa baritula complex, 156-170

Haig, Susan M., and Jonathan D. Ballou, Genetic diversity in two avian species formerly endemic to Guam, 445-455

Haig, Susan M., see Lyons, James E., and -

Halcyon cinnamomina cinnamomina, 445-455

Haley, Chris S., see Gwinner, Eberhard, et al.

Haliaeetus leucocephalus, 390-401

Halley, D. J., M. P. Harris, and S. Wanless, Colony

attendance patterns and recruitment in immature Common Murres (Uria aalge), 947-957

Halobaena caerulea, 964-972

Handicapping, Tree Swallow, 737-747

Hare, snowshoe, 44-59

Harfenist, Anne, Effects of growth-rate variation on fledging of Rhinoceros Auklets (Cerorhinca monocerata), 60-66

Harrier, Marsh, 1004-1023; Northern, 1004-1023

Harris, M. P., see Halley, D. J., et al.

Hart, Leslie E., see Bennett, Darin C., et al.

Hartley, Ian R., see Brooke, M. de L., and -

Haskell, David G., Forest fragmentation and nest predation: Are experiments with Japanese Quail eggs misleading? 767–770

Hatching asynchrony, Snow Goose, 790-794

Hawk, Broad-winged, 1004-1023; Cooper's, 1004-1023;
Ferruginous, 1004-1023; Red-tailed, 1004-1023;
Rough-legged, 1004-1023; Swainson's, 1004-1023
Hayes, A. Alycin, see Avery, Michael L., et al.

Hayes, Floyd E., Definitions for migrant birds: What is a Neotropical migrant? 521-523

Heinrich, Bernd, An experimental investigation of insight in Common Ravens (Corvus corax), 994– 1003

Heinrich, Bernd, John Marzluff, and William Adams, Fear and food recognition in naive Common Ravens, 499-503

Heliobletus contaminatus, see Xenops

Heliodoxa jacula, 118-132

Helmitheros vermivorus, 690-700

Hematozoa, Pied Flycatcher, 1041-1043

Hepp, Gary R., see LeSchack, Craig R., and ——— Herkert, James R., Status and habitat area requirements of the Veery in Illinois, 794–797

Hermit, Bronzy, 118-132; Green, 118-132; Little, 118-132; Long-tailed, 118-132

Heron, Boat-billed, 672-679; Great Blue, 201-209, 613-632; Green-backed, 613-632; Little Blue, 613-632; Tricolored, 613-632; Zigzag, 672-679

Hertel, Fritz, Ecomorphological indicators of feeding behavior in recent and fossil raptors, 890–903

Hill, Geoffrey E., Interspecific variation in plasma hue in relation to carotenoid plumage pigmentation, 1054-1057

Hill, Geoffrey E., Seasonal variation in circulating carotenoid pigments in the House Finch, 1057–1061

Hipfner, Mark, see Gaston, Anthony J., et al.

Hirundo rustica, 515-517

Hoatzin, 20-28

Hockey, Philip A. R., see Steele, William K., and

Hodges, Cathleen N., see Brandt, Charles A., et al. Hofschen, Matthias, see Bart, Jonathan, et al.

Homeothermy, development, 192-200

Honeyeater, Helmeted, 247-248

Hoover, Jeffrey P., Margaret C. Brittingham, and Laurie J. Goodrich, Effects of forest patch size on nesting success of Wood Thrushes, 146-155

Hormone assay, Kakapo, 253-257

Hormone levels, response to petroleum fouling, Magellanic Penguin, 382–389

Horn, Andrew G., see Leonard, Marty L., et al.

Houlihan, Peter W., see Kroodsma, Donald E., et al. Houston, C. Stuart, and Charles M. Francis, Survival of Great Horned Owls in relation to the snowshoe hare cycle, 44-59

Houston, C. Stuart, review by, 280-281

Houston, C. Stuart, see Palmer, Ralph S., and

Houtteman, Stephen G., see Lombardo, Michael P., et al.

Hughes, Maryanne R., Eldon J. Braun, and Darin C. Bennett, Intersexual comparison of plasma osmolytes, kidney size, and glomerular number and size in Pekin ducks (Anas platyrhynchos), 782–785

Hummingbird, Allen's, 1064–1066; Anna's, 1064–1066;
 Black-bellied, 118–132; Calliope, 517–521; Rufous, 456–463; Rufous-tailed, 118–132; Steelyvented, 118–132

Humphrey, John S., see Avery, Michael L., et al. Hybrid, Seiurus × Dendroica, 510–511 Hylocichla mustelina, 146–155, 690–700

Ibis, Glossy, 613–632, 672–679; White, 613–632; White-faced, 613–632

Immigration, Lesser Snow Goose, 731-736

Incubation behavior, Tree Swallow, 973-981

Incubation behavior, initiation, Red Junglefowl, 483-488

Incubation period, Common Murre, 982–993; Shiny Cowbird, 335–342

Indigobird, Cameroon, 649-658

Insulation, hummingbird, 1034-1036

Isabelle, Andre, see Picman, Jaroslav, and ----

Isotopes, indicate diet shift, Northern Fulmar, 493– 498

Ixobrychus exilis, 613-632, 672-679

Jaeger, Jim, see Carmi, Nurit, et al.

James, Frances C., review by, 1085-1086

Jay, Blue, 1054-1057; Mexican, 464-472; Scrub, 464-472

Johnson, Ned K., see Cicero, Carla, and ----

Johnson, Stephen R., Immigration in a small population of Snow Geese, 731–736

Johnston, David W., review by, 1083-1084 Jouventin, Pierre, see Chastel, Olivier, et al.

Junglefowl, Red, 483-488

Kakapo, 253-257

Kattan, Gustavo H., Mechanisms of short incubation period in brood-parasitic cowbirds, 335–342

Keast, Allen, Laura Pearce, and Sari Saunders, How convergent is the American Redstart (Setophaga ruticilla, Parulinae) with flycatchers (Tyrannidae) in morphology and feeding behavior? 310–325

Kern, Michael D., and Richard J. Cowie, Humidity

levels in Pied Flycatcher nests measured using capsule hygrometers, 564-570

Kestrel, American, 1004–1023; Eurasian, 1004–1023 Kidney, Pekin duck, 782–785

Kim, Chang-Hoe, Satoshi Yamagishi, and Pyong-Oh Won, Egg-color dimorphism and breeding success in the Crow Tit (Paradoxornis webbiana), 831– 839

Kingfisher, Micronesian, 445-455

Kirsch, John A. W., see Bleiweiss, Robert, et al.

Kiwi, Brown, 680-689

Klaassen, Marcel, Erratum: Klaassen (1994), 264

Klaassen, Marcel, Water and energy limitations on flight range, 260-262

Kleptoparasitism, Gadwall, 429-435; Kelp Gull, 847-859

Kluisza, Timothy S., see Lombardo, Michael P., et al. Koenig, Walter, see Leonard, Marty L., et al.

Kondratyev, Alexander V., see Schmutz, Joel A., and

Konig, Sibylle, see Gwinner, Eberhard, et al.

Korpimaki, Erkki, and Carl D. Marti, Geographical trends in trophic characteristics of mammal-eating and bird-eating raptors in Europe and North America, 1004–1023

Kozma, Jeffrey M., and Nancy E. Mathews, Interspecific cooperative nesting between Barn Swallows and Say's Phoebes in south-central New Mexico, 515–517

Krajewski, Carey, see Snowbank, Sheri A., and

Kroodsma, Donald E., Daniel J. Albano, Peter W. Houlihan, and Judith A. Wells, Song development by Black-capped Chickadees (*Parus atricapillus*) and Carolina Chickadees (*P. carolinensis*), 29–43

Lampornis calolaema, 118-132; hemileucus, 118-132

Lanyon, Scott M., review by, 1084-1085

Lapwing, Northern, 192-200

Larimer, James L., and Robert Dudley, Accelerational implications of hummingbird display dives, 1064– 1066

Larus argentatus, 192–200; dominicanus, 847–859; glaucescens, 390–401; philadelphia, 192–200

Laukert, Cynthia C., see Avery, Michael L., et al.

Learning, Common Raven, 994-1003

Lebreton, Jean-Dominique, see Viallefont, Anne, et al.

Lefevre, Kara, see Gaston, Anthony J., et al.

Leks, White-throated Manakin, 133-145

Leonard, Marty L., Janis L. Dickinson, Andrew G. Horn, and Walter Koenig, An experimental test of offspring recognition in Western Bluebirds, 1062–1064

Lepidocolaptes affinis, 800-804

Lepson, Jaan K., and Leonard A. Freed, Variation in male plumage and behavior of the Hawaii Akepa, 402-414

Lepus americanus, 44-59

LeSchack, Craig R., and Gary R. Hepp, Kleptoparasitism of American Coots by Gadwalls and its relationship to social dominance and food abundance, 429-435

Leu, Matthias, see Thompson, Christopher W., and

Li, Shou-Hsien, see Brown, Jerram L., and -Lice, chewing, Black Noddy, 1073-1077 Lichenostomus melanops cassidix, 247-248

Limnodromus griseus, 590-602

Limosa haemastica, 192-200; limosa, 192-200

Lipids, body, shorebird, 590-602

Lochmias nematura, 800-804

Lombardo, Michael P., Within-pair copulations: Are female Tree Swallows feathering their own nests? 1077-1079

Lombardo, Michael P., Ruth M. Bosman, Christine A. Faro, Stephen G. Houtteman, and Timothy S. Kluisza, Effect of feathers as nest insulation on incubation behavior and reproductive performance of Tree Swallows (Tachycineta bicolor), 973-

Lopez-Calleja, M. Victoria, and Francisco Bozinovic, Maximum metabolic rate, thermal insulation and aerobic scope in a small-sized Chilean hummingbird (Sephanoides sephanoides), 1034-1036

Lopez-Calleja, Maria V., see Estades, Cristian F., and

Lophodytes cucullatus, 192-200

Loxigilla portoricensis, 503-507

Loxops coccineus coccineus, 402-414

Luscinia svecica svecica, 1049-1053

Lyons, James E., and Susan M. Haig, Estimation of lean and lipid mass in shorebirds using totalbody electrical conductivity, 590-602

Mallard, 192-200

Manakin, White-throated, 133-145

Margarops fuscatus, 503-507

Margarornis brunnescens, 800-804; rubiginosus, 800-804

Marks, Jeffrey S., review by, 816-817

Marti, Carl D., see Korpimaki, Erkki, and -Martin, Paul R., James R. Fotheringham, and Raleigh J. Robertson, A Prairie Warbler with a conspecific and heterospecific song repertoire, 770-774

Marzluff, John, see Heinrich, Bernd, et al.

Mason, J. Russell, and Larry Clark, Mammalian irritants as chemical stimuli for birds: The importance of training, 511-514

Mate choice, White-throated Manakin, 133-145

Mathews, Nancy E., see Kozma, Jeffrey M., and

Mating success, Montezuma Oropendola, 659-671; White-throated Manakin, 133-145

Mauck, Robert A., Thomas A. Waite, and Patricia G. Parker, Monogamy in Leach's Storm-Petrel: DNA fingerprinting evidence, 473-482

McCracken, Kevin G., see Sheldon, Frederick H., et

McDonald, M. Victoria, see McShea, William J., et al. McKinney, Frank, 1994 Brewster Award, 265-266

McKinney, Frank, review by, 525

McKitrick, Mary C., see Zink, Robert M., and

McShea, William J., M. Victoria McDonald, Eugene S. Morton, Rose Meier, and John H. Rappole, Long-term trends in habitat selection by Kentucky Warblers, 375-381

Meadowlark, Eastern, 720-730

Meanley, Brooke, In memoriam: Paul A. Stewart, 1909-1994, 245-246

Meier, Rose, see McShea, William J., et al.

Meijer, Theo, Importance of tactile and visual stimuli of eggs and nest for termination of egg laying of Red Junglefowl, 483-488

Melanerpes caolinus, 547-563

Mendall, Howard Lewis, 1909-1994, in memoriam, 244-245

Merganser, Hooded, 192-200

Merino, Santiago, and Jaime Potti, High prevalence of hematozoa in nestlings of a passerine species, the Pied Flycatcher (Ficedula hypoleuca), 1041-1043 Merlin, 1004-1023

Metabolic rate, hummingbird, 1034-1036

Metabolism, hummingbird, 774-778

Micropalama himantopus, 192-200

Migrant, definition, 521-523

Migrants, 690-700; Grey-breasted Silvereyes, 421-428 Milfoil, water, 429-435

Mitochondrial DNA, Whooping Crane, 1045-1049

Mniotilta varia, 503-507

Molothrus ater. 146-155; bonariensis, 335-342; 1039-1041

Molt chronology, Black Brant, 904-919

Molt pattern, Black Brant, 904-919; hummingbird, 118-

Molts, Orange-breasted Bunting, 1-19

Monogamy, Leach's Storm-Petrel, 473-482; Tree Swallow, 1077-1079

Mononykus, 958-963

Moore, William S., review by, 276-278

Morphology, American Redstart, 310-325

Morphology, skull, raptor, 890-903

Morris, Ralph D., and John W. Chardine, Brown Noddies on Cayo Noroeste, Culebra, Puerto Rico: What happened in 1990? 326-334

Mortality, possible, Brown Noddy, 326-334

Morton, Eugene S., see McShea, William J., et al.

Mountain-gem, Purple-throated, 118-132; White-bellied, 118-132

Moyer, Brett R., and Gary E. Wagenbach, Sunning by Black Noddies (Anous minutus) may kill chewing lice (Quadraceps hopkinsi), 1073-1077

Murphy, Edward C., Seasonal declines in duration of incubation and chick periods of Common Murres, at Bluff, Alaska, in 1987-1991, 982-993

Murre, Common, 390-401, 947-957, 982-993; Thickbilled, 508-510

Mycteria americana, 237-243

Myiarchus antillarum, 503-507 Myriophyllum spicatum, 429-435

National Biological Survey, commentary, 804-806

Nest humidity, Pied Flycatcher, 564-570

Nest insulation, Tree Swallow, 973-981

Nest predation, 343-363; Yellow-headed Blackbird, 183-191

Nest predation, measurement, 767-770

Nest site, Common Tern, 580-589; Roseate Tern, 580-

Nest structure, Helmeted Honeyeater, 247-248

Nesting, Henderson Reed-Warbler, 77-86

Nesting, cooperative, 515-517

Nesting habitat, Dark-rumped Petrel, 571-579

Nesting record, Tamarugo Conebill, 797-800

Nesting success, Common Murre, 390-401; Wood Thrush, 146-155; Yellow-headed Blackbird, 183-

Nestling growth, Tree Swallow, 973-981

Night-Heron, Black-crowned, 613-632; Yellowcrowned, 613-632

Noddy, Black, 1073-1077; Brown, 326-334

Numenius phaeopus, 192-200

Nur, Nadav, see Ainley, David G., et al.

Nyctea scandiaca, 1004-1023

Nycticorax nycticorax, 613-632; violaceus, 613-632

Oceanodroma leucorhoa, 473-482

Oldsquaw, 192-200

Olson, Storrs L., review by, 539-546

Openbill, Asian, 257-260

Opisthocomus hoazin, 20-28

Oporornis formosus, 375-381, 690-700

Oropendola, Montezuma, 659-671

Orr, Robert T., 1908-1994, in memoriam, 1032-1033

Ovenbird, 98-106, 503-507, 690-700

Owen, Megan A., see Robertson, Gregory J., et al.

Owl, Barn, 1004-1023; Barred, 1004-1023; Burrowing, 1004-1023; Great Grey, 1004-1023; Great Horned, 44-59, 1004-1023; Little, 1004-1023; Long-eared, 1004-1023; Northern Hawk, 1004-1023; Northern Saw-whet, 1004-1023; Pygmy, 1004-1023; Short-eared, 1004-1023; Snowy, 1004-1023; Spotted, 1004-1023; Tawny, 1004-1023; Tengmalm's, 1004-1023; Ural, 1004-1023

Pairing success, Ovenbird, 98-106

Pal, B. C., see Datta, Tanmay, and

Palmer, Ralph S., and C. Stuart Houston, In memoriam: Howard Lewis Mendall, 1909-1994, 244-

Paradoxornis webbiana, 831-839

Parental care, Tree Swallow, 737-747

Parker, Patricia, G., see Mauck, Robert A., et al.

Parkes, Kenneth C., Reinterpretation of the probable parentage of a hybrid wood-warbler (Seiurus × Dendroica), 510-511

Parkes, Kenneth C., reviews by, 527-528; 808-810

Parrish, Julia K., Influence of group size and habitat type on reproductive success in Common Murres (Uria aalge), 390-401

Parrish, Julia K., see Brandt, Charles A., et al.

Parus atricapillus, 29-43, 603-612, 840-846; bicolor, 1054-1057; carolinensis, 29-43, 1054-1057

Passer domesticus, 249-252

Passerculus sandwichensis, 720-730

Passerina leclancherii, 1-19

Payne, Laura L., see Payne, Robert B., and -

Payne, Robert B., and Laura L. Payne, Song mimicry and association of brood parasitic indigobirds (Vidua) with Dybowski's Twinspot (Eustichospiza dybowskii), 649-658

Pearce, Laura, see Keast, Allen, et al.

Pearson, Oliver P., In memoriam: Wilbur Brooks Quay, 1927-1994, 489-491

Pease, Craig M., and Joseph A. Grzybowski, Assessing the consequences of brood parasitism and nest predation on seasonal fecundity in passerine birds, 343-363

Penguin, Adelie, 171-182; Chinstrap, 171-182; Gentoo, 171-182; Magellanic, 382-389

Peterjohn, Bruce G., see Bart, Jonathan, et al.

Petersen, Peter C., In memoriam: Fred J. Pierce, 1902-

1992, 756

Peterson, A. Townsend, review by, 811

Petrel, Blue, 964-972; Dark-rumped, 571-579

Petroleum fouling, 382-389

Phacellodomus rufifrons, 800-804

Phaethornis guy, 118-132; longuemareus, 118-132; superciliosus, 118-132

Phalarope, Red-necked, 192-200

Phalaropus lobatus, 192-200

Phenology, nesting, Common Murre, 390-401

Philopatry, Akepa, 402-414

Philydor rufus, 800-804

Phleocryptes melanops, 800-804

Phoebe, Eastern, 1054-1057; Say's, 515-517

Phylogenetic species concept, 701-719

Phylogeny, avian, 87-97; Diglossa, 156-170; Mexican Jay, 464-472; sapsucker, 547-563; Scrub Jay, 464-472; White-crested Bittern, 672-679; Zigzag Heron, 672-679

Picman, Jaroslav, and Andre Isabelle, Sources of nesting mortality and correlates of nesting success in Yellow-headed Blackbirds, 183-191

Pierce, Fred J., 1902-1992, in memoriam, 756

Pietz, Pamela J., review by, 815-816

Pinshow, Berry, see Carmi, Nurit, et al.

Pintail, Northern, 192-200

Piper, Walter H., Social dominance in young Whitethroated Sparrows: Effects of early social experience and the unstable period, 878-889

Pipilo erythrophthalmus, 1054-1057

Plasma hue, 1054-1057

Plasma osmolytes, Pekin duck, 782-785

Plegadis chihi, 613-632; falcinellus, 613-632, 672-679

Plover, Semipalmated, 192-200

Plumage maturation, Akepa, 402-414;

Plumage maturation, delayed, Orange-breasted Bunting, 1-19

Plumages, Orange-breasted Bunting, 1-19

Plumeleteer, Red-footed, 118-132

Pluvialis dominica, 192-200

Podiceps nigricollis, 192-200

Polyandry, White-winged Trumpeter, 285-295, 296-

Polygyny, Asian Openbill, 257–260; Montezuma Oropendola, 659–671

Population biology, Brown Noddy, 326-334

Population cycles, Great Horned Owl, 44-59

Populations, winter, wading bird, 613-632 Porter, Warren P., see Carmi, Nurit, et al.

Potti, Jaime, see Merino, Santiago, and —

Poulsen, John Grynderup, and Nicholas J. Aebischer, Quantitative comparison of two methods of assessing diet of nestling Skylarks (*Alauda arvensis*),

1070-1073

Pratt, H. Douglas, review by, 533-535

Premnoplex brunnescens, see Margarornis

Prey preference, raptor, 890-903

Problem solving, Common Raven, 994-1003

Procambarus, 613-632

Pruett-Jones, Stephen, review by, 538-539

Psarocolius montezuma, 659-671

Pseudoseisura lophotes, 800-804

Psophia leucoptera, 285-295; 296-309

Pterodroma phaeopygia sandwichensis, 571-579

Pygarrhichas albogularis, 800-804

Pygoscelis adeliae, 171-182; antarctica, 171-182; papua, 171-182

Quadraceps hopkinsi, 1073-1077

Quay, Wilbur Brooks, 1927-1994, in memoriam, 489-491

Quiscalus quiscula, 1054-1057

Radio telemetry, Brown Kiwi, 680-689

Rail, Guam 445-455

Rallus owstoni, 445-455

Ramos, Jaime A., and Adrian J. del Nevo, Nest-site selection by Roseate Terns and Common Terns in the Azores, 580–589

Rappole, John H., review by, 278-280

Rappole, John H., see McShea, William J., et al.

Rasmussen, Pamela C., review by, 270-271

Raven, Common, 499-503, 994-1003

Recognition of offspring, Western Bluebird, 1062–1064 Redhead, 192–200

Redstart, American, 310-325, 503-507, 690-700

Reed-Warbler, Henderson, 77-86

Remsen, J.V., Jr., and White Solomon Graves IV, Distribution patterns and zoogeography of *Atlapetes* brush-finches (Emberizinae) of the Andes, 210-224

Remsen, J.V., Jr., and White Solomon Graves IV, Distribution patterns of *Buarremon* brush-finches (Emberizinae) and interspecific competition in Andean birds, 225-236

Ricklefs, Robert E., see Visser, G. Henk, and —— Rising, J. D., review by, 526–527

Roberts, W. Mark, Hummingbird licking behavior and the energetics of nectar feeding, 456–463

Robertson, Gregory J., Megan A. Owen, and R. F. Rockwell, Responses of Snow Geese to artificially induced hatching asynchrony and increased clutch size, 790-794

Robertson, Raleigh J., see Martin, Paul R., et al.

Robertson, Raleigh J., see Whittingham, Linda A., et

Robinson, William L., see Steketee, Ann K., and

Rockwell, R. F., see Robertson, Gregory J., et al. Rothstein, Stephen I., see Slotow, Robert, and

Sandpiper, Least, 192-200; Semipalmated, 192-200, 590-602; Stilt, 192-200; Upland, 720-730; Western, 920-930

Sapsucker, Red-breasted, 547–563; Red-naped, 547–563; Williamson's, 547–563; Yellow-bellied, 547–563

Saunders, Sari, see Keast, Allen, et al.

Saunders, Tanya, and Ron Ydenberg, Consumption and caching of food in the Northwestern Crow (Corvus caurinus), 778-779

Saxicola torquata axillaris, 748-755; torquata rubicola, 748-755

Sayornis phoebe, 1054-1057; saya, 515-517

Schmutz, Joel A., and Alexander V. Kondratyev, Evidence of Emperor Geese breeding in Russia and staging in Alaska, 1037–1038

Schroeder, Michael A., review by, 271-272

Sclerurus mexicanus, 800-804

Scolopax minor, 1043-1045

Seiurus aurocapillus, 98-106, 503-507, 690-700; noveboracensis, 510-511

Selasphorus rufus, 456-463; sasin, 1064-1066

Senner, Stanley E., and Susan R. Drennan, Conservation commentary: Ornithology and the National Biological Survey, 804–806

Sensitivity, chemical, European Starling, 511-514

Sephanoides sephanoides, 1034-1036

Setophaga ruticilla, 310-325, 503-507, 690-700

Sex ratio, Cory's Shearwater, 785-790

Shafi, Naveed, see Bleiweiss, Robert, et al. Shearwater, Cory's, 785-790

Sheldon, Frederick H., Kevin G. McCracken, and Keeley D. Stuebing, Phylogenetic relationships of the Zigzag Heron (Zebrilus undulatus) and Whitecrested Bittern (Tigriornis leucolophus) estimated by DNA-DNA hybridization, 672–679

Sherman, Peter T., Breeding biology of White-winged Trumpeters (Psophia leucoptera) in Peru, 285-295 Sherman, Peter T., Social organization of cooperatively polyandrous White-winged Trumpeters (Psophia leucoptera), 296–309

Sherry, Thomas W., see Fleury, Bruce E., and —— Sialia mexicana, 1062–1064

Sibley-Ahlquist "tapestry," 87-97

Siblicide, booby, 860-869

Silvereyes, Grey-breasted, 421-428

Sittasomus griseicapillus, 800-804

Skylark, 1070-1073

Slotow, Robert, and Stephen I. Rothstein, Importance of dominance status and distance from cover to foraging White-crowned Sparrows: An experimental analysis, 107–117

Slotow, Robert, and Stephen I. Rothstein, Influence of social status, distance from cover, and group size on feeding and vigilance in White-crowned Sparrows, 1024–1031

Smiseth, Per T., and Trond Amundsen, Female Bluethroats (Luscinia s. svecica) regularly visit territories of extrapair males before egg laying, 1049– 1053

Smith, Susan M., Age-specific survival in breeding Black-capped Chickadees (*Parus atricapillus*), 840-846

Snowbank, Sheri A., and Carey Krajewski, Lack of restriction-site variation in mitochondrial-DNA control region of Whooping Cranes (Grus americana), 1045–1049

Somateria mollisima, 192-200

Song development, Black-capped Chickadee, 29-43; Carolina Chickadee, 29-43

Song, heterospecific, 770-774

Song learning, 770–774; Black-capped Chickadee, 29– 43; Carolina Chickadee, 29–43

Song mimicry, Cameroon Indigobird, 649-658

Song stereotypy, Black-capped Chickadee, 29–43; Carolina Chickadee, 29–43

Sparrow, Grasshopper, 720-730; Henslow's, 720-730; House, 249-252; Savannah, 720-730; Whitecrowned, 107-117, 1024-1031; White-throated, 878-889

Sparrowhawk, 1004-1023

Species concept, 701-719

Speotyto cunicularia, 1004-1023

Spheniscus magellanicus, 382-389

Sphyrapicus nuchalis, 547-563; ruber daggetti, 547-563; thyroideus thyroideus, 547-563; varius varius, 547-563

Spoonbill, Roseate, 613-632

Staging area, Emperor Goose, 1037-1038

Starling, European, 436-444, 511-514

Steele, William K., and Philip A. R. Hockey, Factors influencing rate and success of intraspecific kleptoparasitism among Kelp Gulls (*Larus dominican*us). 847-859

Steketee, Ann K., and William L. Robinson, Use of

fluorescent powder for tracking American Woodcock broods, 1043–1045

Stellula calliope, 517-521

Sterna dougallii, 580-589; hirundo, 580-589; paradisaea, 192-200

Stewart, Paul A., 1909–1994, in memoriam, 245–246
Stiles, F. Gary, Intraspecific and interspecific variation
in molt patterns of some tropical hummingbirds,
118–132

Stonechat, 748-755

Stork, Asian Openbill, 257-260; Wood, 237-243

Storm-Petrel, Leach's, 473-482

Strigops habroptilus, 253-257

Strix aluco, 1004–1023; nebulosa, 1004–1023; occidentalis, 1004–1023; uralensis, 1004–1023; varia, 1004–1023

Stuebing, Keeley D., see Sheldon, Frederick H., et al. Sturnella magna, 720–730

Sturnus vulgaris, 436-444, 511-514

Succession, hayfield, 720-730

Sugar-type preference, Cedar Waxwing, European Starling, 436-444

Sula dactylatra, 860-869; nebouxii, 860-869

Sunning, Black Noddy, 1073-1077

Surnia ulula, 1004-1023

Survival, Akepa, 402-414; Black-capped Chickadee, 840-846; Great Horned Owl, 44-59

Survivorship, island, 503-507

Swallow, Barn, 515-517; Tree, 737-747, 973-981, 1077-1079, 1079-1080

Swanson, David L., Seasonal variation in thermogenic capacity of migratory Warbling Vireos, 870–877 Synallaxis albescens, 800–804; cinnamomea, 800–804; erythrothorax, 800–804

Taborsky, Barbara, and Michael Taborsky, Habitat use and selectivity by the Brown Kiwi (*Apteryx australis mantelli*) in a patch environment, 680–689

Taborsky, Michael, see Taborsky, Barbara, and

Tachycineta bicolor, 737-747, 973-981, 1077-1079, 1079-1080

Taeniopygia guttata, 415-420

Takekawa, John Y., see Warnock, Sarah E., and

Taylor, Eric J., Molt of Black Brant (Branta bernicla nigrans) on the Arctic Coastal Plain, Alaska, 904– 919

Tern, Arctic, 192-200; Common, 580-589; Roseate, 580-589

Territoriality, White-winged Trumpeter, 285–295 Thalurania columbica, 118–132

Thermogenesis, Warbling Vireo, 870-877

Thermoregulation, hummingbird, 1034-1036

Thery, Marc, and Sandra L. Vehrencamp, Light patterns as cues for mate choice in the lekking Whitethroated Manakin (Corapipo gutturalis), 133–145

Thibault, Jean-Claude, see Bretagnolle, Vincent, and

Thompson, Christopher W., and Matthias Leu, Molts and plumages of Orange breasted Buntings (*Pas-serina leclancherii*): Implications for theories of delayed plumage maturation, 1–19

Thompson, David R., and Robert W. Furness, Stableisotope ratios of carbon and nitrogen in feathers indicate seasonal dietary shifts in Northern Fulmars, 493-498

Thrasher, Brown, 1054-1057; Pearly-eyed, 503-507 Thrush, Red-legged, 503-507; Wood, 146-155, 690-700

Thryothorus Iudovicianus, 1054–1057 Tiger-Heron, Rufescent, 672–679 Tigriornis Ieucolophus, 672–679 Tigrisoma lineatum, 672–679 Tit, Crow, 831–839 Titmouse, Tufted, 1054–1057 Todus mexicanus, 503–507 Tody, Puerto Rican, 503–507

Tolerance, chemical, European Starling, 511-514

Towhee, Rufous-sided, 1054-1057 Toxostoma rufum, 1054-1057

Tringa flavipes, 192-200

Trumpeter, White-winged, 285-295, 296-309

Turdus plumbeus, 503-507

Twinspot, Dybowski's, 649-658

Tyto alba, 1004-1023

Udvardy, Miklos D. F., review by, 1081–1083 Uria aalge, 390–401, 947–957, 982–993; lomvia, 508–510

Van Horn, Michele A., Robert M. Gentry, and John Faaborg, Patterns of Ovenbird (Seiurus aurocapillus) pairing success in Missouri forest tracts, 98– 106

Vanellus vanellus, 192-200

Veery, 794-797

Vehrencamp, Sandra L., see Thery, Marc, and

Viallefont, Anne, Fred Cooke, and Jean-Dominique Lebreton, Age-specific costs of first-time breeding, 67–76

Vidua camerunensis, 649-658

Vigilance, White-crowned Sparrow, 1024-1031

Vireo atricapillus, 343-363; gilvus, 870-877; griseus, 1054-1057, 690-700; latimeri, 503-507; olivaceus, 690-700

Vireo, Black-capped, 343–363; Puerto Rican, 503–507; Red-eyed, 690–700; Warbling, 870–877; White-eyed, 690–700, 1054–1057

Visser, G. Henk, and Robert E. Ricklefs, Relationship between body composition and homeothermy in neonates of precocial and semiprecocial birds, 192-200

Vocalizations, parental, Black-capped Chickadee, 603-612

Voelker, Gary, review by, 1087-1088

Vuilleumier, François, În memoriam: John Farrand, Jr., 1937–1994, 756–757 Wagenbach, Gary E., see Moyer, Brett R., and

Waite, Thomas A., see Mauck, Robert A., et al.

Wanless, S., see Halley, D. J., et al.

Warbler, Adelaide's, 503-507; Black-and-white, 503-507; Black-throated Blue, 931-946; Cape May, 510-511; Hooded, 690-700; Kentucky, 375-381, 690-700, Magnolia, 690-700; Prairie, 343-363, Prairie, 770-774; Wilson's, 690-700; Worm-eating, 690-700

Warnock, Sarah E., and John Y. Takekawa, Habitat preferences of wintering shorebirds in a temporally changing environment: Western Sandpipers in the San Francisco Bay estuary, 920–930

Waterthrush, Northern, 510-511

Waxwing, Cedar, 43'-444

Webster, Michael S., Effects of female choice and copulations away from colony on fertilization success of male Montezuma Oropendolas (Psarocolius montezuma), 659–671

Weimerskirch, Henri, see Chastel, Olivier, et al.

Weller, Milton W., review by, 528-529

Wells, Judith A., see Kroodsma, Donald E., et al.

Whimbrel, 192-200

Whitehead, Philip E., see Bennett, Darin C., et al.Whittingham, Linda A., Peter O. Dunn, and RaleighJ. Robertson, Do males exchange feathers for copulations in Tree Swallows? 1079–1080

Wilsonia citrina, 690-700; pusilla, 690-700

Wiltschko, Wolfgang, 1994 Coues Award, 266–267 Wingfield, John C., see Fowler, Gene S., et al.

Winker, Kevin, Autumn stopover on the Isthmus of Tehuantepec by woodland Nearctic-Neotropic migrants, 690-700

Winker, Kevin, Xiphorhynchus striatigularis (Dendrocolaptidae): Nomen monstrositatum, 1066-1070

Winkler, David W., and Paul E. Allen, Effects of handicapping on female condition and reproduction in Tree Swallows (Tachycineta bicolor), 737–747

Woehler, Eric J., see Ainley, David G., et al.

Won, Pyong-Oh, see Kim, Chang-Hoe, et al.

Woodcock, American, 1043-1045

Woodnymph, Crowned, 118-132 Woodpecker, Red-bellied, 547-563

Wren, Carolina, 1054-1057; Marsh, 183-191

Wunderle, Joseph M., Jr., Population characteristics of Black-throated Blue Warblers wintering in three sites on Puerto Rico, 931–946

Xanthocephalus xanthocephalus, 183-191

Xenops contaminatus, 800-804; minutus, 800-804

Xiphocolaptes major, 800-804

Xiphorhynchus flavigaster saltuarius, 1066–1070; guttatus, 800–804; striatigularis, 1066–1070

Yamagishi, Satoshi, see Kim, Chang-Hoe, et al. Ydenberg, Ron, see Saunders, Tanya, and Yellowlegs, Lesser, 192-200 Yellowthroat, Common, 1054-1057

Zebrilus undulatus, 672-679
Zenaida, 87-97; macroura, 1054-1057
Zhou, Zhonghe, Is Mononykus a bird? 958-963
Zink, Robert M., and Mary C. McKitrick, The debate

over species concepts and its implications for ornithology, 701-719

Zonotrichia albicollis, 878–889; leucophrys, 107–117; leucophrys gambelii, 1024–1031

Zoogeography, Atlapetes, 210-224; Diglossa, 156-170 Zosterops lateralis lateralis, 421-428

